Advanced Regional Response Training Center

Impact Driven Disaster Response The Katrina Legacy

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Our Goal

- Creating a disaster ready healthcare community characterized by impact driven "response-ability". Impact driven means we can manage the many effectively so we can manage the one safely.
- Matching surge capacity and surge capability.





Which Requires-Before The Storm

- Being prepared to know it all, all the time, about everything, in one place, in real time, both during our day job and in a disaster. Situational awareness in its most meaningful sense.
- Using the knowledge before, during, and after an event to attain situational awareness and response capability and clarity, to save lives, maintain organizational competency and not make any mistakes or embarrass myself or my organization.



Principal One

 Impact driven "response-ability" requires a strong communication structure including the who, how and what we communicate about the event, my "community" and the known and unknown. It is a journey not a destination because......











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Principal Two

- A good communication structure will help overcome the certainties of any disaster including:
 - -That the disaster will always be more complex than your planning.
 - That many voices will have opinions about what should be done including some working against your best efforts.
 - Of all the information you receive much of it will be wrong.



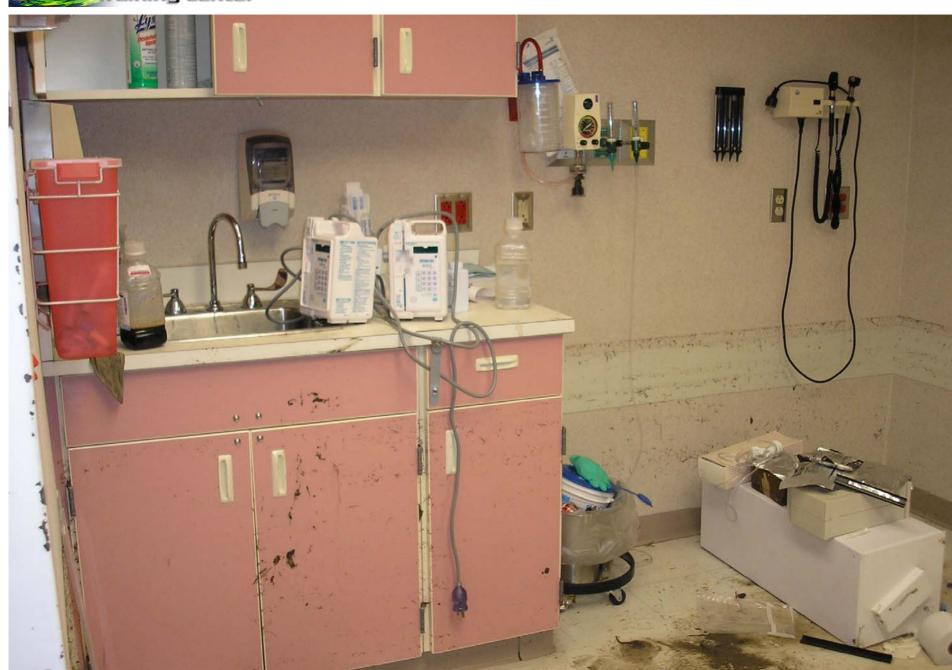
Principal Three-In Healthcare Good Communication Does Not Exist in Nature

- A vertical, "silo-ed" healthcare delivery system that impedes rather than promotes communication or flexiblity;
- A lack of a common information infrastructure;
- A challenge to turn competition into co-opetition
- A disconnect between disaster preparedness efforts and the challenges we face every day in healthcare;
- A response system that is also fragmented and "silo-ed".



Yet Impact Driven Response Requires Communication Because

- The many will only nominally be directed by traditional response structures
- That they will come by car, bus, helicopter and plane
- That they will want to come to where they are used to receiving care regardless of what has been deployed in the Kmart Parking Lot







Principal Four

 Communication leading to impact driven "response-ability" must be about more than just patients because there are hidden drivers presenting obstacles that will with 100% certainty occur.



Issues Both Visible and Hidden That Impact Your Response-Ability

- Staff-Both during and after the event, including who shows up, retention, communication, housing, feeding, their own losses, community drivers-schools, churches.
- Supplies and supply chains- when the trucks don't run, the roads are closed and your cash is gone
- Resources- do you know the Wal Mart manager?
- Transportation and Fuel-The pipeline is out is not an answer
- Facilities- Yesterday we had a hospital
- Communication- Cell phones down, land lines gone, mail not running, cable out, carrier pigeons gone.

More

- Philosophy- Ownership and organizational culture count
- Volunteers-The ones we know and don't know
- Donations-Why are we getting winter clothes when we need cash
- Knowing your community- surviving is a team sport
- Security- Dealing with fear with a tank is a start
- IT- A computer under a plastic bag may be dry but...
- Financial-Including post event cash, bottom line management and business interruption.
- The response structure-We are here to help?

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Communication Strategies Must Therefore Atomize Events By

- Focus on the management of patients-our day job
- Focus on the management of resourceshuman and supplies to support our day job
- Focus on the movement of knowledge and sorting through conflicting confusing views to deal with the hidden drivers

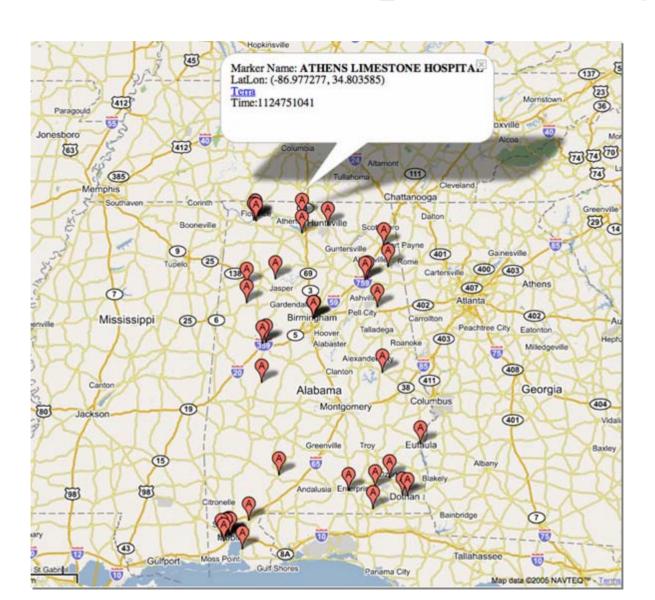


The Alabama Approach to Communication Driven Response

- A strong lean forward leadership at Public Health
- Established a Medical Transfer Center with the sole goal of managing surge capacity and owning the problem til solved.
- Used a robust software program called AIMS which gave the Medical Transfer Center near real time situational awareness of medical response capability

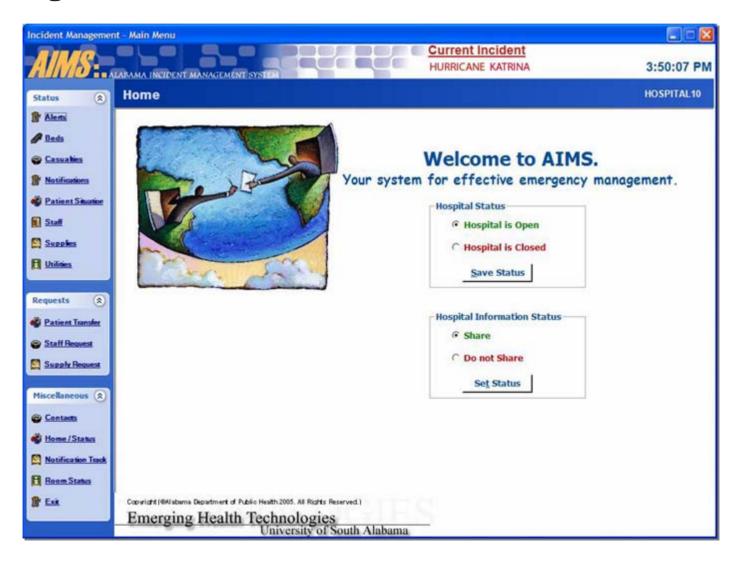


AIMS Finds Help On the Fly





Connect Otherwise Competing Providers and Health Systems Together Around the Patient for the Patient's Benefit

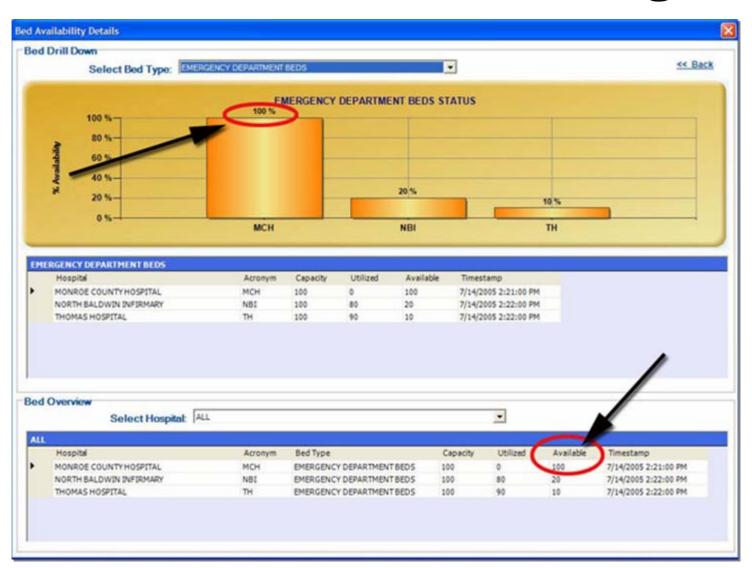




And a Tool for Public Health and Emergency Management

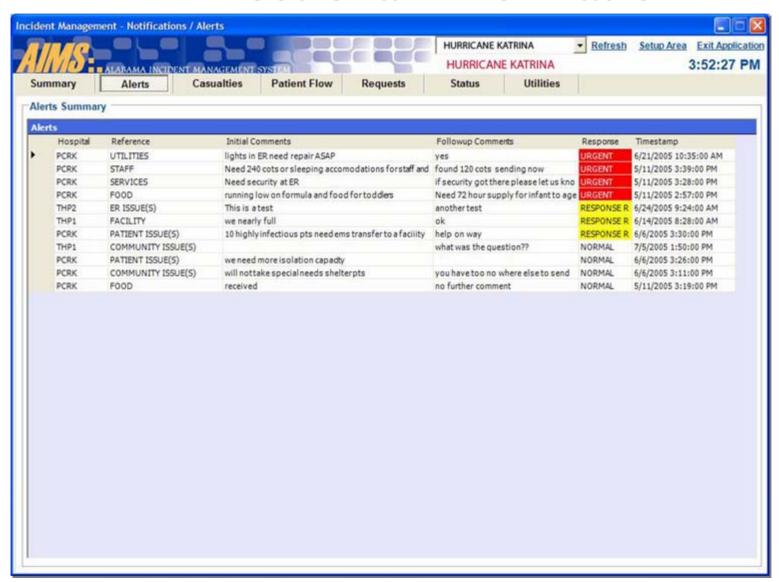


Resource/Patient Routing





Bi-Directional Information

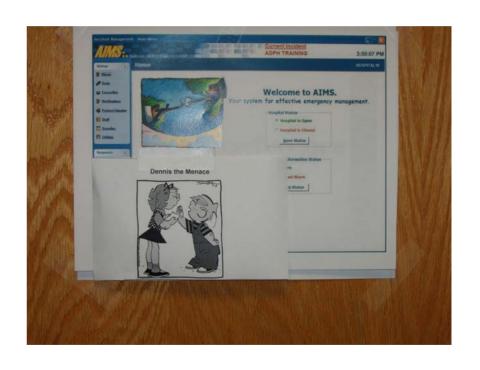




There is No One Tool

Disasters Require:

- Fax
- Web
- VTC
- Software-Aims
- Push to Talk
- Email
- Phone
- GIS and DATA





But, There Can be a Path:

• That path is a paved communication highway supported by public health, hospital associations, hospitals, caregivers and others that gains broad buy-in, and delivers event specific impact value through its operational use to our "community".



Impact Driven Success (Sometimes)

- By Car- Forward deployed triage teams to local hospitals and daily conference calls-to response to issues raised by communication.
- By Bus- Forward deployed public health teams to Mississippi with sat com to help direct transfers and get the information right.
- By helicopter-Direct communication with the Coast Guard to match transfers to facilities
- By Plane- Admittedly little success with the feds.



Impact Driven Lessons

- YOYO does indeed apply which requires a broader community and heightens the need for good communication.
- The power of the group works and can achieve great results when we communicate.
- And

Meeting Our Impact Driven Goals

AIMS during Katrina - a part of a lean forward response:

- > 24x7 support
- > 98% online reliability
- > 83 hospital users
- > 7 medical needs shelters
- > Over 30,000 data entries
- > Situational Awareness and Response-ability



Impacting the Future

- Disasters are local, response is local, response-ability can be achieved locally or regionally assuming good leadership, good communication tools and support.
- Expanded awareness of the lessons learned and best practices of response must be shared.
- Planning must include cross borders, cross industry and cross agency neither mother nature nor bugs understand state lines or org charts.

Center for Strategic Health Innovation

